

138439

From: Chan, Christina  
Sent: Monday, November 22, 2004 12:17 PM  
To: Holleran, Anne; STIC-Biotech/ChemLib  
Subject: RE: RUSH sequence search for 09/806,301

Please rush. Thanks Chris

Chris Chan

TC 1600 New Hire Training Coordinator and SPE 1644  
(571)-272-0841  
Remsen, 3E89

CRFE

-----Original Message-----

From: Holleran, Anne  
Sent: Monday, November 22, 2004 12:03 PM  
To: Chan, Christina  
Subject: RUSH sequence search for 09/806,301

Please approve and forward to STIC the following RUSH sequence search request. This is for an after-final amendment. Thanks.

Please search the following for 09/806,301:

SEQ ID NO: 1(na), against polypeptide databases, interference only  
SEQ ID NO: 2(aa), interference only

Anne Holleran  
AU: 1642  
Tel: (571) 272-0833  
RM: Remsen, 3A14

mailbox: Remsen, 3C18

\*\*\*\*\*  
STAFF USE ONLY

Searcher: Arnold  
Searcher Phone: 2-2532  
Date Searcher Picked up: 11/23/04  
Date Completed: 11/23/04  
Searcher Prep/Rev. Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*

Type of Search  
NA Sequence: # \_\_\_\_\_  
AA Sequence: # 2  
Structure: # \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

\*\*\*\*\*

Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other(Specify): \_\_\_\_\_

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 23, 2004, 10:48:19 ; Search time 127 Seconds  
(without alignments)

250.957 Million cell updates/sec

Title: US-09-806-301-2

Perfect score: 450

Sequence: 1 MKLSVCLLVLTALCCYQAN.....LQKRSIAEVLVKILKCSV 90

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1570615 seqs, 354127592 residues

Total number of hits satisfying chosen parameters: 1570615

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*  
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13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep:\*  
14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep:\*  
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16: /cgn2\_6/ptodata/2/pubpaa/US10D\_PUBCOMB.pep:\*  
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18: /cgn2\_6/ptodata/2/pubpaa/US11\_NEW\_PUB.pep:\*  
19: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
20: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	450	100.0	90	9	US-09-110-716-29
3	450	100.0	90	9	US-09-934-054-1
4	450	100.0	90	9	US-09-985-911-4
5	450	100.0	90	10	US-09-975-502A-6
6	450	100.0	90	10	US-09-905-673-2
7	450	100.0	90	10	US-09-905-673-35
8	450	100.0	90	14	US-10-097-340-181
9	450	100.0	90	14	US-10-177-293-272
10	450	100.0	90	14	US-10-096-313-2
11	450	100.0	90	14	US-10-096-319-35
12	450	100.0	90	14	US-10-033-527-7
13	450	100.0	90	15	US-10-058-270A-84

14	450	100.0	117	15	US-10-276-774-2277	Sequence 2277, App
15	450	100.0	120	14	US-10-131-410-137	Sequence 137, App
16	450	100.0	182	10	US-09-905-673-61	Sequence 61, Appl
17	450	100.0	182	14	US-10-096-319-61	Sequence 61, Appl
18	447	99.3	90	10	US-09-905-673-36	Sequence 36, Appl
19	447	99.3	90	14	US-10-096-319-36	Sequence 36, Appl
20	445	98.9	90	10	US-09-905-673-41	Sequence 41, Appl
21	445	98.9	90	14	US-10-096-319-41	Sequence 41, Appl
22	445	98.9	182	10	US-09-905-673-60	Sequence 60, Appl
23	445	98.9	182	14	US-10-096-319-60	Sequence 60, Appl
24	440	97.8	90	10	US-09-905-673-40	Sequence 40, Appl
25	440	97.8	90	14	US-10-096-319-40	Sequence 40, Appl
26	436	96.9	90	10	US-09-905-673-37	Sequence 37, Appl
27	436	96.9	90	14	US-10-096-319-37	Sequence 37, Appl
28	435	96.7	90	10	US-09-905-673-39	Sequence 39, Appl
29	435	96.7	90	14	US-10-096-319-39	Sequence 39, Appl
30	433	96.2	90	10	US-09-905-673-42	Sequence 42, Appl
31	433	96.2	90	14	US-10-096-319-42	Sequence 42, Appl
32	417	92.7	88	10	US-09-905-673-38	Sequence 38, Appl
33	417	92.7	88	14	US-10-096-319-38	Sequence 38, Appl
34	342	76.0	69	9	US-09-110-716-37	Sequence 37, Appl
35	342	76.0	145	10	US-09-905-673-62	Sequence 62, Appl
36	342	76.0	145	10	US-09-905-673-63	Sequence 63, Appl
37	342	76.0	145	14	US-10-096-319-62	Sequence 62, Appl
38	342	76.0	145	14	US-10-096-319-63	Sequence 63, Appl
39	277	61.6	90	9	US-09-985-911-2	Sequence 2, Appl
40	268	59.6	90	9	US-09-110-716-27	Sequence 27, Appl
41	254	56.4	102	14	US-10-263-828-125	Sequence 125, App
42	246	54.7	50	9	US-09-864-761-44240	Sequence 44240, A
43	238	52.9	83	9	US-09-989-722-260	Sequence 260, App
44	238	52.9	83	9	US-09-989-723-260	Sequence 260, App
45	238	52.9	83	9	US-09-989-279-260	Sequence 260, App

#### ALIGNMENTS

#### RESULT 1

US-09-825-301-77  
; Sequence 77, Application US/09825301  
; Patent No. US20020009738A1  
; GENERAL INFORMATION:  
; APPLICANT: Houghton, Raymond L.  
; APPLICANT: Dillon, David C.  
; APPLICANT: Molesh, David A.  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Zehentner, Barbara  
; APPLICANT: Persing, David H.  
; TITLE OF INVENTION: METHODS, COMPOSITIONS AND KITS FOR THE DETECTION  
; FILE REFERENCE: 210121.513  
; CURRENT APPLICATION NUMBER: US/09/825,301  
; CURRENT FILING DATE: 2001-04-02  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 77  
; LENGTH: 90  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-825-301-77

Query Match 100.0%; Score 450; DB 9; Length 90;  
Best Local Similarity 100.0%; Pred. No. 2.5e-46;  
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFIISPLFKLSLAKFDAPPEAAKL 60

Qy 61 GVKRCTDOMSLQKRSIAEVLVKILKCSV 90

Db 61 GVKRCTDOMSLQKRSIAEVLVKILKCSV 90

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RESULT 2
US-09-110-716-29
; Sequence 29, Application US/09110716A
; Patent No. US20020034739A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengquan
; APPLICANT: Glasgow, Benjamin J.
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110.716A
; CURRENT FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 90
; TYPE: PRT
; ORGANISM: lipophilin B
US-09-110-716-29

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Best Local Similarity 100.0%; Pred. No. 2.5e-46;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 3
US-09-934-054-1
; Sequence 1, Application US/09934054
; Patent No. US20020107385A1
; GENERAL INFORMATION:
; APPLICANT: Akerblom, Ingrid E.
; Hillman, Jennifer L.
; Goli, Surya K.
; Hawkins, Phillip R.
; TITLE OF INVENTION: BREAST TUMOR SPECIFIC PROTEINS
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 2200 Sand Hill Road, Suite 100
; CITY: Menlo Park
; STATE: CA
; COUNTRY: USA
; ZIP: 94025-6936
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/934,054
; FILING DATE: 21-Aug-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/747,547
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0077 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
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; LENGTH: 90 amino acids
; TYPE: amino acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: <Unknown>
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-934-054-1

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Best Local Similarity 100.0%; Pred. No. 2.5e-46;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90
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RESULT 4
US-09-985-911-4
; Sequence 4, Application US/09985911
; Patent No. US20020151012A1
; GENERAL INFORMATION:
; APPLICANT: NI ET AL.
; TITLE OF INVENTION: HUMAN ENOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III
; FILE REFERENCE: PF257D3
; CURRENT APPLICATION NUMBER: US/09/985,911
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: 09/583,169
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/263,810
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 08/821,451
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: 60/014,724
; PRIOR FILING DATE: 1996-03-21
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 90
; TYPE: PRT
; ORGANISM: human
US-09-985-911-4

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Best Local Similarity 100.0%; Pred. No. 2.5e-46;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLSVCLLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEVAAKL 60
Db 1 MKLSVCLLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEVAAKL 60

Qy 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90
Db 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 5
US-09-975-502A-6
; Sequence 6, Application US/09975502A
; Publication No. US20030044859A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Henslee, Jerry G.
; APPLICANT: Friedman, Paula N.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
; FILE REFERENCE: 5972.US.P7
; CURRENT APPLICATION NUMBER: US/09/975,502A
; CURRENT FILING DATE: 2002-06-10
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RESULT 7  
US-09-905-673-35  
; Sequence 35, Application US/09505673  
; Publication No. US20030059432A1  
; GENERAL INFORMATION:  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Fanger, Gary R.

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; NUMBER OF SEQ ID NOS: 30
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; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO 181
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; LENGTH: 90
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; TYPE: PRT
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; ORGANISM: Homo sapiens
US-10-097-340-181

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Query Match 100.0%; Score 450; DB 14; Length 90;  
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QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90  
DB 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 9  
US-10-177-293-272  
; Sequence 272, Application US/10177293  
; Publication No. US20030124128A1  
; GENERAL INFORMATION:  
; APPLICANT: Lillie, James  
; APPLICANT: Glatt, Karen  
; APPLICANT: Zhao, Xumei  
; APPLICANT: Gannavarpu, Manjula  
; APPLICANT: Kamatkar, Shubhangi  
; APPLICANT: Mertens, Maureen  
; APPLICANT: Myer, Vic  
; APPLICANT: Wang, Youzhen  
; APPLICANT: Xu, Yongyao  
; APPLICANT: Hoersch, Sebastian  
; APPLICANT: Monahan, John  
; APPLICANT: Meyers, Rachel E.  
; APPLICANT: Bast Jr., Robert C.  
; APPLICANT: Hortobagyi, Gabriel N.  
; APPLICANT: Pusztai, Lajos  
; APPLICANT: Meric, Funda  
; APPLICANT: Sahin, Aysegul  
; APPLICANT: Mills, Gordon B.  
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,  
; FILE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER  
; FILE REFERENCE: MRI-038  
; CURRENT APPLICATION NUMBER: US/10/177,293  
; CURRENT FILING DATE: 2002-06-21  
; PRIOR APPLICATION NUMBER: US 60/299,887  
; PRIOR FILING DATE: 2001-06-21  
; PRIOR APPLICATION NUMBER: US 60/301,572  
; PRIOR FILING DATE: 2001-06-27  
; PRIOR APPLICATION NUMBER: US 60/306,501  
; PRIOR FILING DATE: 2001-07-18  
; PRIOR APPLICATION NUMBER: US 60/325,002  
; PRIOR FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US 60/362,585  
; PRIOR FILING DATE: 2002-03-05  
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx  
; PRIOR FILING DATE: 2002-05-14  
; NUMBER OF SEQ ID NOS: 506  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 272  
; LENGTH: 90  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-177-293-272

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QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90  
DB 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 10  
US-10-096-319-2  
; Sequence 2, Application US/10096319  
; Publication No. US20030170246A1  
; GENERAL INFORMATION:  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Durham, Margarita  
; APPLICANT: Houghton, Raymond L.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Carter, Darick  
; APPLICANT: Persing, David H.  
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER  
; FILE REFERENCE: 210121.498C2  
; CURRENT APPLICATION NUMBER: US/10/096,319  
; CURRENT FILING DATE: 2002-03-12  
; NUMBER OF SEQ ID NOS: 78  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 2  
; LENGTH: 90  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-096-319-2

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QY 1 MKLSVCLLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAAAKL 60  
DB 1 MKLSVCLLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAAAKL 60

QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90  
DB 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 11  
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; Sequence 35, Application US/10096319  
; Publication No. US20030170246A1  
; GENERAL INFORMATION:  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Durham, Margarita  
; APPLICANT: Houghton, Raymond L.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Carter, Darick  
; APPLICANT: Persing, David H.  
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER  
; FILE REFERENCE: 210121.498C2  
; CURRENT APPLICATION NUMBER: US/10/096,319  
; CURRENT FILING DATE: 2002-03-12  
; NUMBER OF SEQ ID NOS: 78  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 35  
; LENGTH: 90  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-096-319-35

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QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90  
DB 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90



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; LENGTH: 120
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-131-410-137

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QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90
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Search completed: November 23, 2004, 11:05:47
Job time : 128 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: November 23, 2004, 10:39:38 ; Search time 35 Seconds  
(without alignments)  
170.532 Million cell updates/sec

Title: US-09-806-301-2  
Perfect score: 450  
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Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	450	100.0	90	3	US-09-583-169-4
5	450	100.0	90	3	US-09-215-818-6
6	450	100.0	90	4	US-09-467-602A-6
7	450	100.0	90	4	US-09-431-384B-20
8	342	76.0	69	3	US-08-912-276-23
9	342	76.0	69	4	US-09-431-384B-28
10	277	61.6	90	3	US-08-821-451A-2
11	277	61.6	90	3	US-09-263-810-2
12	277	61.6	90	3	US-09-583-169-2
13	267	59.3	53	4	US-09-513-599C-4555
14	244	54.2	79	4	US-09-673-395A-200
15	238	52.9	83	4	US-10-140-002-440
16	219	48.7	45	3	US-08-912-276-22
17	219	48.7	45	4	US-09-431-384B-27
18	202	44.9	90	3	US-08-821-451A-25
19	202	44.9	90	3	US-08-821-451A-26
20	202	44.9	90	3	US-09-263-810-25
21	202	44.9	90	3	US-09-263-810-26
22	202	44.9	90	3	US-09-583-169-25
23	202	44.9	90	3	US-09-583-169-26
24	110	24.4	91	1	US-08-455-896-8
25	110	24.4	91	2	US-08-933-149-8
26	110	24.4	91	2	US-09-082-343-8
27	110	24.4	91	3	US-09-082-253-8

28	110	24.4	91	4	US-08-987-505-1	Sequence 1, Appli
29	110	24.4	91	4	US-09-162-622-8	Sequence 8, Appli
30	110	24.4	91	4	US-09-509-015-8	Sequence 8, Appli
31	110	24.4	91	5	PCT-US96-08235-8	Sequence 8, Appli
32	101	22.4	22	3	US-08-912-276-21	Sequence 21, Appli
33	101	22.4	22	4	US-09-431-384B-26	Sequence 26, Appli
34	80	17.8	15	3	US-08-912-276-16	Sequence 16, Appli
35	80	17.8	15	4	US-09-431-384B-21	Sequence 21, Appli
36	75.5	16.8	93	2	US-08-964-725-14	Sequence 14, Appli
37	75	16.7	15	3	US-08-912-276-19	Sequence 19, Appli
38	75	16.7	15	4	US-09-431-384B-24	Sequence 24, Appli
39	73	16.2	15	4	US-09-431-384B-23	Sequence 23, Appli
40	73	16.2	16	3	US-08-912-276-18	Sequence 18, Appli
41	72	16.0	15	4	US-09-431-384B-22	Sequence 22, Appli
42	72	16.0	16	3	US-08-912-276-17	Sequence 17, Appli
43	70	15.6	109	1	US-07-662-193-5	Sequence 5, Appli
44	70	15.6	109	3	US-08-300-928C-8	Sequence 8, Appli
45	70	15.6	109	3	US-08-430-944D-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1  
US-08-821-451A-4  
; Sequence 4, Application US/08821451A  
; Patent No. 6066724  
; GENERAL INFORMATION:  
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
; TITLE OF INVENTION: Human Endometrial Specific Steroid-  
; TITLE OF INVENTION: Binding Factor I, II and III  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
; ADDRESSEE: CECCHI, STEWART & OLSTEIN  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/821,451A  
FILING DATE: March 21, 1997  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/014,724  
FILING DATE: March 21, 1996

ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 90 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-08-821-451A-4

Query Match 100.0%; Score 450; DB 3; Length 90;  
Best Local Similarity 100.0%; Pred. No. 6,1e-49;  
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANAEFCPALVSELDFFFISEPLFKLSIAKFDAPPEAAKL 60

Db 1 MKLSVCLLLVTLALCCYQNAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAAKL 60  
QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90  
Db 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 2

US-09-263-810-4  
; Sequence 4, Application US/09263810  
; Patent No. 6174992  
; GENERAL INFORMATION:  
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
; TITLE OF INVENTION: Human Endometrial Specific Steroid-  
; TITLE OF INVENTION: Binding Factor I, II and III  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 INCH DISKETTE  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: WORD PERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/263,810  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/821,451  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MULLINS, J.G.  
; REGISTRATION NUMBER: 33,073  
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-994-1700  
; TELEFAX: 201-994-1744  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 90 AMINO ACIDS  
; TYPE: AMINO ACID  
; STRANDEDNESS:  
; TOPOLOGY: LINEAR  
; MOLECULE TYPE: PROTEIN  
US-09-263-810-4

Query Match 100.0%; Score 450; DB 3; Length 90;  
Best Local Similarity 100.0%; Pred. No. 6.1e-49;  
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLLVTLALCCYQNAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAAKL 60  
Db 1 MKLSVCLLLVTLALCCYQNAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAAKL 60  
QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90  
Db 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 3

US-08-912-276-15  
; Sequence 15, Application US/08912276  
; Patent No. 6183952  
; GENERAL INFORMATION:  
; APPLICANT: Billing-Medel, Patricia A.  
; ADDRESSEE: Cohen, Maurice

; APPLICANT: Colpitts, Tracey L.  
; APPLICANT: Friedman, Paula N.  
; APPLICANT: Gordon, Julian  
; APPLICANT: Granados, Edward N.  
; APPLICANT: Hodges, Steven C.  
; APPLICANT: Klass, Michael R.  
; APPLICANT: Kratochvil, Jon D.  
; APPLICANT: Roberts-Rapp, Lisa  
; APPLICANT: Russell, John C.  
; APPLICANT: Stroupe, Steven D.  
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Abbott Laboratories  
; STREET: 100 Abbott Park Road  
; CITY: Abbott Park  
; STATE: IL  
; COUNTRY: USA  
; ZIP: 60064-3500  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/912,276  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Becker, Cheryl L.  
; REGISTRATION NUMBER: 35,441  
; REFERENCE/DOCKET NUMBER: 5972.US.PI  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 847/935-1729  
; TELEFAX: 847/938-2623  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 15:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 90 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: No. 6183952e  
US-08-912-276-15

Query Match 100.0%; Score 450; DB 3; Length 90;  
Best Local Similarity 100.0%; Pred. No. 6.1e-49;  
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLLVTLALCCYQNAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAAKL 60  
Db 1 MKLSVCLLLVTLALCCYQNAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAAKL 60  
QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90  
Db 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 4

US-09-583-169-4  
; Sequence 4, Application US/09583169  
; Patent No. 6338948  
; GENERAL INFORMATION:  
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
; TITLE OF INVENTION: Human Endometrial Specific Steroid-  
; TITLE OF INVENTION: Binding Factor I, II and III  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,

ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA: US/09/583,169  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/821,451  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 90 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-09-583-169-4

Query Match 100.0%; Score 450; DB 3; Length 90;  
Best Local Similarity 100.0%; Pred. No. 6.1e-49;  
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLLVTLALCCYQANAEFCPALVSELDFFFIISPLFKLSLAKFDAPPEAAAKL 60  
DB 1 MKLSVCLLLVTLALCCYQANAEFCPALVSELDFFFIISPLFKLSLAKFDAPPEAAAKL 60  
QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKKCSV 90  
DB 61 GVKRCTDQMSLQKRSLIAEVLVKILKKCSV 90

RESULT 5  
US-09-215-818-6  
Sequence 6, Application US/09215818A  
Patent No. 6379671  
GENERAL INFORMATION:  
APPLICANT: Colpitts, Tracey  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR  
TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST  
FILE REFERENCE: 5972.US.P2  
CURRENT APPLICATION NUMBER: US/09/215,818A  
CURRENT FILING DATE: 1998-12-18  
EARLIER APPLICATION NUMBER: 08/912,276  
EARLIER FILING DATE: 1997-08-17  
EARLIER APPLICATION NUMBER: 08/697,105  
EARLIER FILING DATE: 1996-08-19  
EARLIER APPLICATION NUMBER: 08/912,149  
EARLIER FILING DATE: 1997-08-15  
EARLIER APPLICATION NUMBER: 08/697,106  
EARLIER FILING DATE: 1996-08-19  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 6  
LENGTH: 90  
TYPE: PRT  
ORGANISM: Homo Sapiens  
US-09-215-818-6

Query Match 100.0%; Score 450; DB 3; Length 90;  
Best Local Similarity 100.0%; Pred. No. 6.1e-49;  
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLLVTLALCCYQANAEFCPALVSELDFFFIISPLFKLSLAKFDAPPEAAAKL 60  
DB 1 MKLSVCLLLVTLALCCYQANAEFCPALVSELDFFFIISPLFKLSLAKFDAPPEAAAKL 60  
QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKKCSV 90  
DB 61 GVKRCTDQMSLQKRSLIAEVLVKILKKCSV 90

RESULT 6  
US-09-467-602A-6  
Sequence 6, Application US/09467602A  
Patent No. 6532164  
GENERAL INFORMATION:  
APPLICANT: Abbott Laboratories  
APPLICANT: Colpitts, Tracey L.  
APPLICANT: Russell, John C.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR  
TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST  
FILE REFERENCE: 5972.US.P5  
CURRENT APPLICATION NUMBER: US/09/467,602A  
CURRENT FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: US 08/215,818  
PRIOR FILING DATE: 1998-12-18  
PRIOR APPLICATION NUMBER: US 08/912,276  
PRIOR FILING DATE: 1997-08-17  
PRIOR APPLICATION NUMBER: US 08/697,105  
PRIOR FILING DATE: 1996-08-19  
PRIOR APPLICATION NUMBER: US 08/912,149  
PRIOR FILING DATE: 1997-08-15  
PRIOR APPLICATION NUMBER: US 08/697,106  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 6  
LENGTH: 90  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-467-602A-6

Query Match 100.0%; Score 450; DB 4; Length 90;  
Best Local Similarity 100.0%; Pred. No. 6.1e-49;  
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLLVTLALCCYQANAEFCPALVSELDFFFIISPLFKLSLAKFDAPPEAAAKL 60  
DB 1 MKLSVCLLLVTLALCCYQANAEFCPALVSELDFFFIISPLFKLSLAKFDAPPEAAAKL 60  
QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKKCSV 90  
DB 61 GVKRCTDQMSLQKRSLIAEVLVKILKKCSV 90

RESULT 7  
US-09-431-384B-20  
Sequence 20, Application US/09431384B  
Patent No. 6770435  
GENERAL INFORMATION:  
APPLICANT: Abbott Laboratories  
APPLICANT: Billing-Medel, Patricia A.  
APPLICANT: Cohen, Maurice  
APPLICANT: Colpitts, Tracey L.  
APPLICANT: Gordon, Julian  
APPLICANT: Granados, Edward N.  
APPLICANT: Hodges, Steven C.  
APPLICANT: Klass, Michael R.  
APPLICANT: Kratochvil, Jon D.  
APPLICANT: Russell, John C.

APPLICANT: Scheffel, Christi P.  
APPLICANT: Stroupe, Stephen D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR  
FILE REFERENCE: 5972.US.P4  
CURRENT APPLICATION NUMBER: US/09/431.384B  
CURRENT FILING DATE: 1999-11-01  
PRIOR FILING DATE: 1999-01-19  
PRIOR APPLICATION NUMBER: US 09/233,693  
PRIOR FILING DATE: 1997-08-15  
PRIOR APPLICATION NUMBER: US 08/912,276  
PRIOR FILING DATE: 1996-08-19  
NUMBER OF SEQ ID NOS: 36  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 20  
LENGTH: 90  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-431-384B-20

Query Match 100.0%; Score 450; DB 4; Length 90;  
Best Local Similarity 100.0%; Pred. No. 6.le-49;  
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLALCCYQNAEFCPALVSELDFFFTISEPLFKLSLAKFDAPPEAVAL 60  
DB 1 MKLSVCLLVTLALCCYQNAEFCPALVSELDFFFTISEPLFKLSLAKFDAPPEAVAL 60  
QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90  
DB 61 GVKRCTDQMSLQKRSLIAEVLVKILKCSV 90

RESULT 8  
US-08-912-276-23  
Sequence 23, Application US/08912276  
Patent No. 6183952  
GENERAL INFORMATION:  
APPLICANT: Billing-Medel, Patricia A.  
APPLICANT: Cohen, Maurice  
APPLICANT: Colpitts, Tracey L.  
APPLICANT: Friedman, Paula N.  
APPLICANT: Gordon, Julian  
APPLICANT: Granados, Edward N.  
APPLICANT: Hodges, Steven C.  
APPLICANT: Klaess, Michael R.  
APPLICANT: Kratochvil, Jon D.  
APPLICANT: Roberts-Rapp, Lisa  
APPLICANT: Russell, John C.  
APPLICANT: Stroupe, Steven D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASES OF THE BREAST  
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/912,276  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 5972.US.P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 23:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 69 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6183952e  
US-08-912-276-23

Query Match 76.0%; Score 342; DB 3; Length 69;  
Best Local Similarity 100.0%; Pred. No. 1.5e-35;  
Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 EFCPALVSELDFFFTISEPLFKLSLAKFDAPPEAVALGVRCTDQMSLQKRSLIAEVL 81  
DB 1 EFCPALVSELDFFFTISEPLFKLSLAKFDAPPEAVALGVRCTDQMSLQKRSLIAEVL 60  
QY 82 VKILKCSV 90  
DB 61 VKILKCSV 69

RESULT 9  
US-09-431-384B-28  
Sequence 28, Application US/09431384B  
Patent No. 6770435  
GENERAL INFORMATION:  
APPLICANT: Abbott Laboratories  
APPLICANT: Billing-Medel, Patricia A.  
APPLICANT: Cohen, Maurice  
APPLICANT: Colpitts, Tracey L.  
APPLICANT: Gordon, Julian  
APPLICANT: Granados, Edward N.  
APPLICANT: Hodges, Steven C.  
APPLICANT: Klaess, Michael R.  
APPLICANT: Kratochvil, Jon D.  
APPLICANT: Russell, John C.  
APPLICANT: Scheffel, Christi P.  
APPLICANT: Stroupe, Stephen D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR  
TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST  
FILE REFERENCE: 5972.US.P4  
CURRENT APPLICATION NUMBER: US/09/431.384B  
CURRENT FILING DATE: 1999-11-01  
PRIOR APPLICATION NUMBER: US 09/233,693  
PRIOR FILING DATE: 1999-01-19  
PRIOR APPLICATION NUMBER: US 08/912,276  
PRIOR FILING DATE: 1997-08-15  
PRIOR APPLICATION NUMBER: US 08/697,105  
PRIOR FILING DATE: 1996-08-19  
NUMBER OF SEQ ID NOS: 36  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 28  
LENGTH: 69  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: BUL01 Synthetic Peptides  
US-09-431-384B-28

Query Match 76.0%; Score 342; DB 4; Length 69;  
Best Local Similarity 100.0%; Pred. No. 1.5e-35;  
Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 22 EFCPALVSELDFFFTISEPLFKLSLAKFDAPPEAVALGVRCTDQMSLQKRSLIAEVL 81

Db 1 EFPCPALVSELLDFFFISEPLFKLSAKFDAPPEVAAKLGVKRCTDQMSLQKRSLIAEVL 60  
QY 82 VKILKKCSV 90  
Db 61 VKILKKCSV 69

RESULT 10  
US-08-821-451A-2  
; Sequence 2, Application US/08821451A  
; Patent No. 6068724  
; GENERAL INFORMATION:  
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
; TITLE OF INVENTION: Human Endometrial Specific Steroid-  
; TITLE OF INVENTION: Binding Factor I, II and III  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
; ADDRESSEE: CECCHI, STEWART & OLSTEIN  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 INCH DISKETTE  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: WORD PERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/821,451A  
; FILING DATE: March 21, 1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/014,724  
; FILING DATE: March 21, 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MULLINS, J.G.  
; REGISTRATION NUMBER: 33,073  
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-994-1700  
; TELEFAX: 201-994-1744  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 90 AMINO ACIDS  
; TYPE: AMINO ACID  
; STRANDEDNESS:  
; TOPOLOGY: LINEAR  
; MOLECULE TYPE: PROTEIN  
; US-08-821-451A-2

Query Match 61.6%; Score 277; DB 3; Length 90;  
Best Local Similarity 58.9%; Pred. No. 2.8e-27;  
Matches 53; Conservative 17; Mismatches 20; Indels 0; Gaps 0;

QY 1 MKLSVCLLLVTLALCCYQNAEFCPALVSELLDFFFISEPLFKLSAKFDAPPEVAAKL 60  
Db 1 MRLSVCLLMVSLALCCYQAHALVCPAVASEITVFLSDAANVLQVAKLNPPEALAAKL 60  
QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKKCSV 90  
Db 61 EVKHCTDQISFKKRLSLEKVLVEIVKKGCV 90

RESULT 11  
US-09-263-810-2  
; Sequence 2, Application US/09263810  
; Patent No. 6174992  
; GENERAL INFORMATION:  
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
; TITLE OF INVENTION: Human Endometrial Specific Steroid-

; TITLE OF INVENTION: Binding Factor I, II and III  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
; ADDRESSEE: CECCHI, STEWART & OLSTEIN  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 INCH DISKETTE  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: WORD PERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/263,810  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/821,451  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MULLINS, J.G.  
; REGISTRATION NUMBER: 33,073  
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-994-1700  
; TELEFAX: 201-994-1744  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 90 AMINO ACIDS  
; TYPE: AMINO ACID  
; STRANDEDNESS:  
; TOPOLOGY: LINEAR  
; MOLECULE TYPE: PROTEIN  
; US-09-263-810-2

Query Match 61.6%; Score 277; DB 3; Length 90;  
Best Local Similarity 58.9%; Pred. No. 2.8e-27;  
Matches 53; Conservative 17; Mismatches 20; Indels 0; Gaps 0;

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Db 1 MRLSVCLLMVSLALCCYQAHALVCPAVASEITVFLSDAANVLQVAKLNPPEALAAKL 60  
QY 61 GVKRCTDQMSLQKRSLIAEVLVKILKKCSV 90  
Db 61 EVKHCTDQISFKKRLSLEKVLVEIVKKGCV 90

RESULT 12  
US-09-583-169-2  
; Sequence 2, Application US/09583169  
; Patent No. 6338948  
; GENERAL INFORMATION:  
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
; TITLE OF INVENTION: Human Endometrial Specific Steroid-  
; TITLE OF INVENTION: Binding Factor I, II and III  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
; ADDRESSEE: CECCHI, STEWART & OLSTEIN  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 INCH DISKETTE  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: WORD PERFECT 5.1

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/583,169
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/821,451
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 90 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
;
US-09-583-169-2

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RESULT 13
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; Sequence 4555, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59 US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 4555
; LENGTH: 53
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -15...-1
; OTHER INFORMATION: score 10.9
; OTHER INFORMATION: seq LSVCLLVTLALC/CY
US-09-513-999C-4555

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Best Local Similarity 100.0%; Pred. No. 2.6e-26;
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RESULT 14  
US-09-673-395A-200  
; Sequence 200, Application US/09673395A  
; Patent No. 6620923  
; GENERAL INFORMATION:  
; APPLICANT: SPECHI, THOMAS  
; APPLICANT: HINZMANN, BERND  
; APPLICANT: SCHMITT, ARMIN  
; APPLICANT: PILARSKY, CHRISTIAN  
; APPLICANT: DAHL, EDGAR  
; APPLICANT: ROSENTHAL, ANDRE  
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE  
; FILE REFERENCE: ALBRE-12  
; CURRENT APPLICATION NUMBER: US/09/673,395A  
; CURRENT FILING DATE: 2000-10-17  
; NUMBER OF SEQ ID NOS: 637  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 200  
; LENGTH: 79  
; TYPE: prt  
; ORGANISM: Homo sapiens  
US-09-673-395A-200

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RESULT 15
US-10-140-002-440
; Sequence 440, Application US/10140002
; Patent No. 6725730
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330RIC59
; CURRENT APPLICATION NUMBER: US/10/140,002
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 440
; LENGTH: 83
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-002-440

Query Match          52.9%; Score 238; DB 4; Length 83;
Best Local Similarity 60.8%; Pred. No. 1.9e-22;

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Search completed: November 23, 2004, 10:56:23  
Job time : 36 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - protein search, using frame\_plus\_n2p model

Run on: November 23, 2004, 10:55:44 ; Search time 23 Seconds  
(without alignments)  
2514.317 Million cell updates/sec

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Perfect score: 754  
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Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 956278

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Database :

Issued Patents AA.\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

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2	450	59.7	90	3	US-09-363-810-4
3	450	59.7	90	3	US-08-912-276-15
4	450	59.7	90	3	US-09-583-169-4
5	450	59.7	90	3	US-09-215-818-6
6	450	59.7	90	4	US-09-467-602A-6
7	450	59.7	90	4	US-09-431-384B-20
8	342	45.4	69	3	US-08-912-276-23
9	342	45.4	69	4	US-09-431-384B-28
10	277	36.7	90	3	US-08-821-451A-2
11	277	36.7	90	3	US-09-263-810-2
12	277	36.7	90	3	US-09-583-169-2

13	267	35.4	53	4	US-09-513-999C-4555	Sequence 4555, Appl
14	255	33.8	83	4	US-10-140-002-440	Sequence 440, Appl
15	253	33.6	79	4	US-09-673-395A-200	Sequence 200, Appl
16	219	29.0	45	3	US-08-912-276-22	Sequence 22, Appl
17	219	29.0	45	4	US-09-431-384B-27	Sequence 27, Appl
18	202	26.8	90	3	US-08-821-451A-25	Sequence 25, Appl
19	202	26.8	90	3	US-08-821-451A-26	Sequence 26, Appl
20	202	26.8	90	3	US-09-263-810-25	Sequence 25, Appl
21	202	26.8	90	3	US-09-263-810-26	Sequence 26, Appl
22	202	26.8	90	3	US-09-583-169-25	Sequence 25, Appl
23	202	26.8	90	3	US-09-583-169-26	Sequence 26, Appl
24	124.5	16.2	72	4	US-09-673-395A-202	Sequence 202, Appl
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26	110	14.6	91	2	US-08-933-149-8	Sequence 8, Appl1
27	110	14.6	91	2	US-09-082-343-8	Sequence 8, Appl1
28	110	14.6	91	3	US-09-082-253-8	Sequence 8, Appl1
29	110	14.6	91	4	US-08-987-503-1	Sequence 1, Appl1
30	110	14.6	91	4	US-09-162-622-8	Sequence 8, Appl1
31	110	14.6	91	4	US-09-509-015-8	Sequence 8, Appl1
32	110	14.6	91	5	PCT-US96-08235-8	Sequence 8, Appl1
33	109	14.2	50	4	US-09-673-395A-201	Sequence 201, Appl
34	101	13.4	22	3	US-08-912-276-21	Sequence 21, Appl
35	101	13.4	22	4	US-09-431-384B-26	Sequence 26, Appl
36	83.5	11.1	1964	3	US-09-467-997-1	Sequence 1, Appl1
37	80	10.6	15	3	US-08-912-276-16	Sequence 16, Appl
38	80	10.6	15	4	US-09-431-384B-21	Sequence 21, Appl
39	76	10.1	652	3	US-09-110-116-1	Sequence 1, Appl1
40	76	10.1	652	3	US-08-956-322-2	Sequence 2, Appl1
41	75.5	10.0	93	2	US-08-964-725-14	Sequence 14, Appl
42	75.5	9.8	2368	1	US-08-198-446B-15	Sequence 15, Appl
43	75.5	9.8	2368	2	US-08-870-693-15	Sequence 15, Appl
44	75	9.9	15	3	US-08-912-276-19	Sequence 19, Appl
45	75	9.9	15	4	US-09-431-384B-24	Sequence 24, Appl

ALIGNMENTS

RESULT 1  
US-08-821-451A-4  
; Sequence 4, Application US/08821451A  
; Patent No. 6086774  
; GENERAL INFORMATION:  
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
; TITLE OF INVENTION: Human Endometrial Specific Steroid-  
; TITLE OF INVENTION: Binding Factor I, II and III  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
; ADDRESSEE: CECCHI, STEWART & OLSTEIN  
; STREET: 6 BECKER FARM ROAD  
; CITY: ROSELAND  
; STATE: NEW JERSEY  
; COUNTRY: USA  
; ZIP: 07068  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 INCH DISKETTE  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: MS-DOS  
; SOFTWARE: WORD PERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/821,451A  
; FILING DATE: March 21, 1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/014,724  
; FILING DATE: March 21, 1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MULLINS, J.G.  
; REGISTRATION NUMBER: 33,073  
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-994-1700  
; TELEFAX: 201-994-1744

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; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 90 AMINO ACIDS
;   TYPE: AMINO ACID
;   STRANDEDNESS:
;   TOPOLOGY: LINEAR
;   MOLECULE TYPE: PROTEIN
;   US-08-821-451A-4
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Alignment Scores:
Pred. No.:      1.06e-46      Length:      90
Score:          450.00      Matches:      90
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:     59.68%      Indels:      0
DB:              3          Gaps:          0

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QY  160 CTGTTCAAGTTAAGTCTTGCCAAATTTGATGCCCTCCGGAAGCTGTTGCAGCAAGTTA 219
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RESULT 2
US-09-263-810-4
; Sequence 4, Application US/09263810
; Patent No. 6174992
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
;   Binding Factor I, II and III
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,810
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/821,451
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J. G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
; TELECOMMUNICATION INFORMATION:
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; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 90 AMINO ACIDS
;   TYPE: AMINO ACID
;   STRANDEDNESS:
;   TOPOLOGY: LINEAR
;   MOLECULE TYPE: PROTEIN
;   US-09-263-810-4
;
Alignment Scores:
Pred. No.:      1.06e-46      Length:      90
Score:          450.00      Matches:      90
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:     59.68%      Indels:      0
DB:              3          Gaps:          0

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QY  160 CTGTTCAAGTTAAGTCTTGCCAAATTTGATGCCCTCCGGAAGCTGTTGCAGCAAGTTA 219
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QY  220 GGAGTGAAGAGATGACCGATCAGATCTCCCTTCAGAAAGCAAGCTCATTTGGGAAGTC 279
Db  61 GlyValLysArgCysThrAspGlnMetSerLeuGlnLysArgSerLeuIleAlaGluVal 80
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RESULT 3
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; Sequence 15, Application US/08912276
; Patent No. 6183952
; GENERAL INFORMATION:
; APPLICANT: Billing-Medel, Patricia A.
; APPLICANT: Cohen, Maurice
; APPLICANT: Colpitts, Tracey L.
; APPLICANT: Friedman, Paula N.
; APPLICANT: Gordon, Julian
; APPLICANT: Granados, Edward N.
; APPLICANT: Hodges, Steven C.
; APPLICANT: Klass, Michael R.
; APPLICANT: Kratochvil, Jon D.
; APPLICANT: Roberts-Rapp, Lisa
; APPLICANT: Russell, John C.
; APPLICANT: Stroupe, Steven D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
;   FOR DETECTING DISEASES OF THE BREAST
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
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;/ CURRENT APPLICATION DATA:  
;/ APPLICATION NUMBER: US/08/912,276  
;/ FILING DATE:  
;/ CLASSIFICATION:  
;/ PRIOR APPLICATION DATA:  
;/ APPLICATION NUMBER:  
;/ FILING DATE:  
;/ ATTORNEY/AGENT INFORMATION:  
;/ NAME: Becker, Cheryl L  
;/ REGISTRATION NUMBER: 35,441  
;/ REFERENCE/DOCKET NUMBER: 5972 US.P1  
;/ TELEPHONE: 847/935-1729  
;/ TELEFAX: 847/938-2623  
;/ TELEX:  
;/ INFORMATION FOR SEQ ID NO: 15:  
;/ SEQUENCE CHARACTERISTICS:  
;/ LENGTH: 90 amino acids  
;/ TYPE: amino acid  
;/ STRANDEDNESS: single  
;/ TOPOLOGY: linear  
;/ MOLECULE TYPE: No. 6183952e  
;/ US-08-912-276-15

Alignment Scores:  
Pred. No.: 1.06e-46 Length: 90  
Score: 450.00 Matches: 90  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 59.68% Indels: 0  
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Db 21 AlaGluPheCysProAlaLeuValSerGluLeuLeuAspPhePheIleSerGluPro 40  
QY 160 CTGTTCAAGTTAAGCTCTGCCAAATTGATGCCCTCCGAAAGCTGTTCAGCAAGTTA 219  
Db 41 LeuPheLysLeuSerLeuAlaLysPheAspAlaProGluAlaValAlaLysLeu 60  
QY 220 GGAGTGAAGATGACGAGATCAGATGTCCTTCAGAAACGAGCCCTCATTCGGAAGTC 279  
Db 61 GlyValLysArgCysThrAspGlnMetSerLeuGlnLysArgSerLeuIleAlaGluVal 80  
QY 280 CTGGTGAATAATTGAAGAAATGATGTGTG 309  
Db 81 LeuValLysIleLeuLysCysSerVal 90

RESULT 4  
US-09-583-169-4  
;/ Sequence 4, Application US/09583169  
;/ Patent No. 6338948  
;/ GENERAL INFORMATION:  
;/ APPLICANT: Jian NI, Guo-Liang Yu and Reiner Gentz  
;/ TITLE OF INVENTION: Human Endometrial Specific Steroid-  
;/ TITLE OF INVENTION: Binding Factor I, II and III  
;/ NUMBER OF SEQUENCES: 27  
;/ CORRESPONDENCE ADDRESS:  
;/ ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
;/ ADDRESSEE: CECCHI, STEWART & OLSTEIN  
;/ STREET: 6 BECKER FARM ROAD  
;/ CITY: ROSELAND  
;/ STATE: NEW JERSEY  
;/ COUNTRY: USA  
;/ ZIP: 07068  
;/ COMPUTER READABLE FORM:  
;/ MEDIUM TYPE: 3.5 INCH DISKETTE

;/ COMPUTER: IBM PS/2  
;/ OPERATING SYSTEM: MS-DOS  
;/ SOFTWARE: WORD PERFECT 5.1  
;/ CURRENT APPLICATION DATA:  
;/ APPLICATION NUMBER: US/09/583,169  
;/ FILING DATE:  
;/ CLASSIFICATION:  
;/ PRIOR APPLICATION DATA:  
;/ APPLICATION NUMBER: 08/821,451  
;/ FILING DATE:  
;/ ATTORNEY/AGENT INFORMATION:  
;/ NAME: MULLINS, J.G.  
;/ REGISTRATION NUMBER: 33,073  
;/ REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
;/ TELECOMMUNICATION INFORMATION:  
;/ TELEPHONE: 201-994-1700  
;/ TELEFAX: 201-994-1744  
;/ INFORMATION FOR SEQ ID NO: 4:  
;/ SEQUENCE CHARACTERISTICS:  
;/ LENGTH: 90 AMINO ACIDS  
;/ TYPE: AMINO ACID  
;/ STRANDEDNESS:  
;/ TOPOLOGY: LINEAR  
;/ MOLECULE TYPE: PROTEIN  
;/ US-09-583-169-4

Alignment Scores:  
Pred. No.: 1.06e-46 Length: 90  
Score: 450.00 Matches: 90  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 59.68% Indels: 0  
DB: 3 Gaps: 0

US-09-806-301-1 (1-436) x US-09-583-169-4 (1-90)

QY 40 ATGAAGCTGTCGGTGTCTCTGCTGCTCAGCTGCGCCCTCTGCTGCTACGAGCCAAAT 99  
Db 1 MetLysLeuSerValCysLeuLeuLeuValThrLeuAlaLeuCysCysTyrGlnAlaAsn 20  
QY 100 GCCGAGTTCTGCCAGCTCTTCTTCTGAGCTGTAGACTTCTTCTCATTAGTGAACCT 159  
Db 21 AlaGluPheCysProAlaLeuValSerGluLeuLeuAspPhePheIleSerGluPro 40  
QY 160 CTGTTCAAGTTAAGCTCTGCCAAATTGATGCCCTCCGAAAGCTGTTCAGCAAGTTA 219  
Db 41 LeuPheLysLeuSerLeuAlaLysPheAspAlaProGluAlaValAlaLysLeu 60  
QY 220 GGAGTGAAGATGACGAGATCAGATGTCCTTCAGAAACGAGCCCTCATTCGGAAGTC 279  
Db 61 GlyValLysArgCysThrAspGlnMetSerLeuGlnLysArgSerLeuIleAlaGluVal 80  
QY 280 CTGGTGAATAATTGAAGAAATGATGTGTG 309  
Db 81 LeuValLysIleLeuLysCysSerVal 90

RESULT 5  
US-09-215-818-6  
;/ Sequence 6, Application US/09215818A  
;/ Patent No. 6379671  
;/ GENERAL INFORMATION:  
;/ APPLICANT: Colpitts, Tracey  
;/ TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR  
;/ TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST  
;/ FILE REFERENCE: 5972 US.P2  
;/ CURRENT APPLICATION NUMBER: US/09/215,818A  
;/ CURRENT FILING DATE: 1998-12-18  
;/ EARLIER APPLICATION NUMBER: 08/912,276  
;/ EARLIER FILING DATE: 1997-08-17  
;/ EARLIER APPLICATION NUMBER: 08/697,105  
;/ EARLIER FILING DATE: 1996-08-19  
;/ EARLIER APPLICATION NUMBER: 08/912,149  
;/ EARLIER FILING DATE: 1997-08-15









QY 160 CTGTTCAAGTTAAGTCTTGCCAAATTTGATGCCCT 195  
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Db 41 LeuPheLysLeuSerLeuAlaLysPheAspAlaPro 52

## RESULT 14

US-10-140-002-440

; Sequence 440, Application US/10140002

; Patent No. 6725730

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C59

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; CURRENT APPLICATION NUMBER: US/10/140,002

; CURRENT FILING DATE: 2002-05-06

; Prior Application removed - See Palm or File Wrapper

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 440

; LENGTH: 83

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-140-002-440

Alignment Scores:  
Pred. No.: 8 38e-23 Length: 83  
Score: 255.00 Matches: 51  
Percent Similarity: 77.38% Conservative: 14  
Best Local Similarity: 60.71% Mismatches: 18  
Query Match: 33.82% Indels: 1  
DB: 4 Gaps: 0

US-09-806-301-1 (1-436) x US-10-140-002-440 (1-83)

QY 40 ATGAAGCTGTCGGTGTCTCTGCTGCACGCTGGCCCTCTGCTGCTACCAAGGCAAT 99  
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Db 1 MetArgLeuSerValCysLeuLeuMetValSerLeuAlaLeuCysCysTyrGlnAlaHis 20

QY 100 GCGAGTCTGCCAGCTCTTTGTTCTGAGCTGTAGACTTCTTCTTCATTAGTAACCT 159  
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Db 21 AlaLeuValCysProAlaValAlaSerGluIleThrValPheLeuPheLeuSerAspAla 40

QY 160 CTGTTCAAGTTAAGTCTTGCCAAATTTGATGCCCTCCGGAAGCTGTTCAGCAAGTTA 219  
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Db 41 AlaValAsnLeuGlnValAlaLysLeuAsnProProGluAlaLeuAlaLysLeu 60

QY 220 GGAGTGAAGAGATGCACGGATCAGATGTCCCTTCAGAAACGAAAGCCTCATTGCGGAAGTC 279  
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Db 61 GluValLysHisCysThrAspGlnIleSerPheLysLysArg-LeuSerLeuLysLysSe 80

QY 280 CTGGTGAAAA 289  
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Db 80 rTrpTrpLys 83

## RESULT 15

US-09-673-395A-200

; Sequence 200, Application US/09673395A

; Patent No. 6620923

GENERAL INFORMATION:  
; APPLICANT: SPECHT, THOMAS  
; APPLICANT: HINZMANN, BERND  
; APPLICANT: SCHMITT, ARMIN  
; APPLICANT: PILARSKY, CHRISTIAN  
; APPLICANT: DAHL, EDGAR  
; APPLICANT: ROSENTHAL, ANDRE  
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE  
; FILE REFERENCE: ALBRE-12  
; CURRENT APPLICATION NUMBER: US/09/673,395A  
; CURRENT FILING DATE: 2000-10-17  
; NUMBER OF SEQ ID NOS: 637  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 200  
; LENGTH: 79  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-673-395A-200

Alignment Scores:  
Pred. No.: 1 45e-22 Length: 79  
Score: 253.00 Matches: 49  
Percent Similarity: 78.48% Conservative: 13  
Best Local Similarity: 62.03% Mismatches: 17  
Query Match: 33.55% Indels: 0  
DB: 4 Gaps: 0

US-09-806-301-1 (1-436) x US-09-673-395A-200 (1-79)

QY 34 GCCACCATGAAGCTCTCGGTGTCTCTGCTGGTGCACGCTGGCCCTCTGCTGCTACCAG 93  
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Db 1 AlaThrMetArgLeuSerValCysLeuLeuMetValSerLeuAlaLeuCysCysTyrGln 20

QY 94 GCCAATGCCGAGTTCTGCCAGCTCTTTCTGAGCTGTAGACTTCTTCTTCATTAGT 153  
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Db 21 AlaHisAlaLeuValCysProAlaValAlaSerGluIleThrValPheLeuPheLeuSer 40

QY 154 GAACCTCTGTTCAAGTTAAGTCTTGCCAAATTTGATGCCCTCCGGAAGCTGTTCAGCC 213  
|||||  
Db 41 AspAlaAlaValAsnLeuGlnValAlaLysLeuAsnProProGluAlaLeuAla 60

QY 214 AAGTTAGGAGTGAAGAGATGCACGGATCAGATGTCCCTTCAGAAACGAAAGCCTCATT 270  
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Db 61 LysLeuGluValLysHisCysThrAspGlnIleSerPheLysLysArgLeuLeuLeu 79

Search completed: November 23, 2004, 11:07:05

JOB time : 24 secs



GenCore version 5.1.6  
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OM nucleic - protein search, using frame\_plus\_n2p model

Run on: November 23, 2004, 11:05:55 ; Search time 91.5 Seconds  
(without alignments)

3374.855 Million cell updates/sec

Title: US-09-806-301-1

Perfect score: 754

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Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 1570615 seqs, 354127592 residues

Total number of hits satisfying chosen parameters: 3141230

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-THR MIN=0 -ALIGN=15 -USER=US09806301@cgn\_1\_113 @runat\_23112004\_103609\_1321  
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-XGAPOP=6 -XGAPEXT=7 -XGAPOP=10 -XGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Published Applications AA:  
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16: /cgn2\_6/ptodata/2/pubpaa/US10D\_PUBCOMB.pep.\*  
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18: /cgn2\_6/ptodata/2/pubpaa/US11\_NEW\_PUB.pep.\*  
19: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
20: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result Query

No.	Score	Match	Length	DB	ID	Description
1	510	67.6	117	15	US-10-276-774-2277	Sequence 2277, Ap
2	510	67.6	120	14	US-10-131-410-137	Sequence 137, App
3	450	59.7	90	9	US-09-825-301-77	Sequence 77, Appl
4	450	59.7	90	9	US-09-110-716-29	Sequence 29, Appl
5	450	59.7	90	9	US-09-934-054-1	Sequence 1, Appl
6	450	59.7	90	9	US-09-985-911-4	Sequence 4, Appl
7	450	59.7	90	10	US-09-975-502A-6	Sequence 6, Appl
8	450	59.7	90	10	US-09-905-673-2	Sequence 2, Appl
9	450	59.7	90	10	US-09-905-673-35	Sequence 35, Appl
10	450	59.7	90	14	US-10-097-340-181	Sequence 181, App
11	450	59.7	90	14	US-10-177-293-272	Sequence 272, App
12	450	59.7	90	14	US-10-096-319-2	Sequence 2, Appl
13	450	59.7	90	14	US-10-096-319-35	Sequence 35, Appl
14	450	59.7	90	14	US-10-033-527-77	Sequence 77, Appl
15	450	59.7	90	15	US-10-058-270A-84	Sequence 84, Appl
16	450	59.7	182	10	US-09-905-673-61	Sequence 61, Appl
17	450	59.7	182	14	US-10-096-319-61	Sequence 61, Appl
18	447	59.3	90	10	US-09-905-673-36	Sequence 36, Appl
19	447	59.3	90	14	US-10-096-319-36	Sequence 36, Appl
20	445	59.0	90	10	US-09-905-673-41	Sequence 41, Appl
21	445	59.0	90	14	US-10-096-319-41	Sequence 41, Appl
22	445	59.0	182	10	US-09-905-673-60	Sequence 60, Appl
23	445	59.0	182	14	US-10-096-319-60	Sequence 60, Appl
24	440	58.4	90	10	US-09-905-673-40	Sequence 40, Appl
25	440	58.4	90	14	US-10-096-319-40	Sequence 40, Appl
26	436	57.8	90	10	US-09-905-673-37	Sequence 37, Appl
27	436	57.8	90	14	US-10-096-319-37	Sequence 37, Appl
28	435	57.7	90	10	US-09-905-673-39	Sequence 39, Appl
29	435	57.7	90	14	US-10-096-319-39	Sequence 39, Appl
30	433	57.4	90	10	US-09-905-673-42	Sequence 42, Appl
31	433	57.4	90	14	US-10-096-319-42	Sequence 42, Appl
32	417	55.3	88	10	US-09-905-673-38	Sequence 38, Appl
33	417	55.3	88	14	US-10-096-319-38	Sequence 38, Appl
34	342	45.4	69	9	US-09-110-718-37	Sequence 37, Appl
35	342	45.4	145	10	US-09-905-673-62	Sequence 62, Appl
36	342	45.4	145	10	US-09-905-673-63	Sequence 63, Appl
37	342	45.4	145	14	US-10-096-319-62	Sequence 62, Appl
38	342	45.4	145	14	US-10-096-319-63	Sequence 63, Appl
39	277	36.7	90	9	US-09-985-911-2	Sequence 2, Appl
40	268	35.5	90	9	US-09-110-718-27	Sequence 27, Appl
41	259	34.8	102	14	US-10-263-828-125	Sequence 125, App
42	255	33.8	83	9	US-09-989-723-260	Sequence 260, App
43	255	33.8	83	9	US-09-989-723-260	Sequence 260, App
44	255	33.8	83	9	US-09-989-723-260	Sequence 260, App
45	255	33.8	83	9	US-09-989-723-260	Sequence 260, App

#### ALIGNMENTS

RESULT 1  
US-10-276-774-2277  
; Sequence 2277, Application US/10276774  
; Publication No. US20040053245A1  
; GENERAL INFORMATION:

; APPLICANT: Hyseq, Inc.  
; APPLICANT: Tang, Y. Tom et al  
; TITLE OF INVENTION: No. US20040053245A1el Nucleic Acids and Polypeptides  
; FILE REFERENCE: 21272-030  
; CURRENT APPLICATION NUMBER: US/10/276,774  
; CURRENT FILING DATE: 2002-11-18  
; PRIOR APPLICATION NUMBER: 09/560,875  
; PRIOR FILING DATE: 2000-04-27  
; PRIOR APPLICATION NUMBER: 09/496,914  
; PRIOR FILING DATE: 2000-02-03  
; NUMBER OF SEQ ID NOS: 2700  
; SOFTWARE: Custom  
; SEQ ID NO 2277  
; LENGTH: 117  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-276-774-2277

Alignment Scores:			
Pred. No.:	6.38e-52	Length:	117
Score:	510.00	Matches:	103
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	67.64%	Indels:	0
DB:	15	Gaps:	0
US-09-806-301-1 (1-436) x US-10-276-774-2277 (1-117)			
Qy	1	TTGTTTGTGAAAGCTGAGCTCACAGCAAAACCAACCATGAGCTGTGCGTGTCTCTC	60
Db	15	LeuPheValLysAlaGluLeuThrAlaLysGlnAlaThrMetLysLeuSerValCysLeu	34
Qy	61	CTGCTGTCACGCTGGCCCTCTGCTGTACAGGCCAATGCCGAGTTCTGCCAGCTCTT	120
Db	35	LeuLeuValThrLeuAlaLeuCysCysTyrGlnAlaAsnAlaGluPheCysProAlaLeu	54
Qy	121	GTWCTTGAGCTGTAGACTTCTTCTTCATTAGTGAACCTCTGTTCAGAGTTAAGTCTTGCC	180
Db	55	ValSerGluLeuLeuAspPhePhePheIleSerGluProLeuPheLysLeuSerLeuAla	74
Qy	181	AAATTGATGCCCTCCGAGAGCTTTGCAGCCCAAGTTAGAGTGAAGAGATCGACGGAT	240
Db	75	LysPheAspAlaProGluAlaValAlaAlaLysLeuGlyValLysArgCysThrAsp	94
Qy	241	CAGATGTCCTTCAGAAACGAGGCTCATTCGGAAGTCCTGTGGTGAATAATTGAAGAA	300
Db	95	GlnMetSerLeuGlnIlyBargSerLeuIleAlaGluValLeuValLysIleLeuLysLys	114
Qy	301	TGTAGTGTG 309	
Db	115	CysSerVal 117	
RESULT 2			
US-10-131-410-137			
; Sequence 137, Application US/10131410			
; Publication No. US20030235915A1			
; GENERAL INFORMATION:			
; APPLICANT: SPECHT, THOMAS			
; APPLICANT: HINZMANN, BERND			
; APPLICANT: SCHMITT, ARMIN			
; APPLICANT: PILARSKY, CHRISTIAN			
; APPLICANT: DAHL, EDGAR			
; APPLICANT: ROSENTHAL, ANDRE			
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM TISSUE OF BREAST			
; TITLE OF INVENTION: TUMORS			
; FILE REFERENCE: SCH-1763			
; CURRENT APPLICATION NUMBER: US/10/131,410			
; CURRENT FILING DATE: 2002-04-25			
; PRIOR APPLICATION NUMBER: 09/646,673			
; PRIOR FILING DATE: 2000-09-20			
; PRIOR APPLICATION NUMBER: PCT/DE99/00908			
; PRIOR FILING DATE: 1999-03-19			
; NUMBER OF SEQ ID NOS: 202			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 137			
; LENGTH: 120			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
US-10-131-410-137			
Alignment Scores:			
Pred. No.:	6.42e-52	Length:	120
Score:	510.00	Matches:	103
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Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	67.64%	Indels:	0
DB:	14	Gaps:	0
US-09-806-301-1 (1-436) x US-10-131-410-137 (1-120)			



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; PRIOR APPLICATION NUMBER: 08/821,451
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: 60/014,724
; PRIOR FILING DATE: 1996-03-21
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 4
; LENGTH: 90
; TYPE: PRT
; ORGANISM: human
US-09-985-911-4

Alignment Scores:
Pred. No.:          9.31e-45          Length:          90
Score:              450.00           Matches:          90
Percent Similarity: 100.00%           Conservative:     0
Best Local Similarity: 100.00%        Mismatches:      0
Query Match:        59.68%            Indels:          0
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US-09-806-301-1 (1-436) x US-09-985-911-4 (1-90)
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Db 1 MetLysLeuSerValCysLeuLeuValThrLeuAlaLeuCysCysTyrGlnAlaAsn 20
QY 100 GCCGAGTTCGCCAGCTCTGTTCTGAGCTGTAGACTTCTTCTTATTAGTGAACCT 159
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Db 21 AlaGluPheCysProAlaLeuValSerGluLeuLeuAspPhePheIleSerGluPro 40
QY 160 CTGTTCAAGTTAAGTCTTCCCAATTTGATGCCCTCCGAGCTGTTGCAGCCCAAGTTA 219
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Db 41 LeuPheLysLeuSerLeuAlaLysPheAspAlaProGluAlaValAlaLysLeu 60
QY 220 GGAGTGAAGATGCACGATCAGATGTCCTTCCAGAAACGAAAGCCTCATTGCGGAAGTC 279
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Db 61 GlyValLysArgCysThrAspGlnMetSerLeuGlnLysArgSerLeuIleAlaGluVal 80
QY 280 CTGCTGAAAATATTGAAGAAATGTAGTGTG 309
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Db 81 LeuValLysIleLeuLysLysCysSerVal 90

RESULT 7
US-09-975-502A-6
; Sequence 6, Application US/09975502A
; Publication No. US20030044859A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Henslee, Jerry G.
; APPLICANT: Friedman, Paula N.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
; TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
; FILE REFERENCE: 5972 US.P7
; CURRENT APPLICATION NUMBER: US/09/975,502A
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: US 09/467,602
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: US 09/215,818
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: US 08/912,276
; PRIOR FILING DATE: 1997-08-15
; PRIOR APPLICATION NUMBER: US 08/697,105
; PRIOR FILING DATE: 1996-08-19
; PRIOR APPLICATION NUMBER: US 08/912,149
; PRIOR FILING DATE: 1997-08-15
; PRIOR APPLICATION NUMBER: US 08/697,106
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-975-502A-6
Alignment Scores:
Pred. No.:          9.31e-45          Length:          90
Score:              450.00           Matches:          90
Percent Similarity: 100.00%           Conservative:     0
Best Local Similarity: 100.00%        Mismatches:      0
Query Match:        59.68%            Indels:          0
DB:                 10               Gaps:           0

US-09-806-301-1 (1-436) x US-09-975-502A-6 (1-90)
QY 40 ATGAAGCTGTCGGTGTCTCTCTGTCACGCTGGCCCTCTGCTGCTACCGGCAAT 99
   |||
Db 1 MetLysLeuSerValCysLeuLeuValThrLeuAlaLeuCysCysTyrGlnAlaAsn 20
QY 100 GCCGAGTTCGCCAGCTCTTCTTCTGAGCTGTAGACTTCTTCTTATTAGTGAACCT 159
   |||
Db 21 AlaGluPheCysProAlaLeuValSerGluLeuLeuAspPhePheIleSerGluPro 40
QY 160 CTGTTCAAGTTAAGTCTTCCCAATTTGATGCCCTCCGAGCTGTTGCAGCCCAAGTTA 219
   |||
Db 41 LeuPheLysLeuSerLeuAlaLysPheAspAlaProGluAlaValAlaLysLeu 60
QY 220 GGAGTGAAGATGCACGATCAGATGTCCTTCCAGAAACGAAAGCCTCATTGCGGAAGTC 279
   |||
Db 61 GlyValLysArgCysThrAspGlnMetSerLeuGlnLysArgSerLeuIleAlaGluVal 80
QY 280 CTGCTGAAAATATTGAAGAAATGTAGTGTG 309
   |||
Db 81 LeuValLysIleLeuLysLysCysSerVal 90

RESULT 8
US-09-905-673-2
; Sequence 2, Application US/09905673
; Publication No. US20030059432A1
; GENERAL INFORMATION:
; APPLICANT: Dillion, Davin C.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; TITLE OF INVENTION: DIAGNOSIS AND THERAPY
; FILE REFERENCE: 210121.498C1
; CURRENT APPLICATION NUMBER: US/09/905,673
; CURRENT FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-905-673-2

Alignment Scores:
Pred. No.:          9.31e-45          Length:          90
Score:              450.00           Matches:          90
Percent Similarity: 100.00%           Conservative:     0
Best Local Similarity: 100.00%        Mismatches:      0
Query Match:        59.68%            Indels:          0
DB:                 10               Gaps:           0

US-09-806-301-1 (1-436) x US-09-905-673-2 (1-90)
QY 40 ATGAAGCTGTCGGTGTCTCTCTGTCACGCTGGCCCTCTGCTGCTACCGGCAAT 99
   |||
Db 1 MetLysLeuSerValCysLeuLeuValThrLeuAlaLeuCysCysTyrGlnAlaAsn 20
QY 100 GCCGAGTTCGCCAGCTCTTCTTCTGAGCTGTAGACTTCTTCTTATTAGTGAACCT 159
   |||
Db 21 AlaGluPheCysProAlaLeuValSerGluLeuLeuAspPhePheIleSerGluPro 40
QY 160 CTGTTCAAGTTAAGTCTTCCCAATTTGATGCCCTCCGAGCTGTTGCAGCCCAAGTTA 219
   |||
Db 41 LeuPheLysLeuSerLeuAlaLysPheAspAlaProGluAlaValAlaLysLeu 60
```



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; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysecul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 272
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-272

Alignment Scores:
Pred. No.: 9,31e-45 Length: 90
Score: 450.00 Matches: 90
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 59.68% Indels: 0
DB: 14 Gaps: 0

US-09-806-301-1 (1-436) x US-10-177-293-272 (1-90)
QY 40 ATGAAGCTGTCGGTGTCTCTCTGCTCAGCGTGGCCCTCTGCTGTACCGGCCAAT 99
Db 1 MetLysLeuSerValCysLeuLeuValThrLeuAlaLeuCysCysTyrGlnAlaAsn 20
QY 100 GCGAGTCTGCCAGCTCTGTGTTCTGAGCTGTTAGACTTCTTCTTCAATTAGTGAACCT 159
Db 21 AlaGluPheCysProAlaLeuValSerGluLeuLeuAspPhePheIleSerGluPro 40
QY 160 CTGTTCAAGTTAAGTCTTCCAAATTTGATGCCCTCCGGAAGCTGTTGCAGCCAGTTA 219
Db 41 LeuPheLysLeuSerLeuAlaLysPheAspAlaProGluAlaValAlaLysLeu 60
QY 220 GGAGTGAAGAGATGACCGATCAGATGTCCTTCAGAACGAGCCTCATTCGGGAAGTC 279
Db 61 GlyValLysArgCysThrAspGlnMetSerLeuGlnLysArgSerLeuIleAlaGluVal 80
QY 280 CTGGTGAATAATATGAAGAAATGTAGTGTG 309
Db 81 LeuValLysIleLeuLysCysSerVal 90

RESULT 12
US-10-096-319-2
; Sequence 2, Application US/10096319
; Publication No. US20030170246A1
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Durham, Margarita
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Persing, David H.
; APPLICANT: Carter, Darrick
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; FILE REFERENCE: 210121.498C2
; CURRENT APPLICATION NUMBER: US/10/096,319
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 35
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-096-319-35
```

```
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Durham, Margarita
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Carter, Darrick
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; FILE REFERENCE: 210121.498C2
; CURRENT APPLICATION NUMBER: US/10/096,319
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-096-319-2

Alignment Scores:
Pred. No.: 9,31e-45 Length: 90
Score: 450.00 Matches: 90
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 59.68% Indels: 0
DB: 14 Gaps: 0

US-09-806-301-1 (1-436) x US-10-096-319-2 (1-90)
QY 40 ATGAAGCTGTCGGTGTCTCTCTGCTCAGCGTGGCCCTCTGCTGTACCGGCCAAT 99
Db 1 MetLysLeuSerValCysLeuLeuValThrLeuAlaLeuCysCysTyrGlnAlaAsn 20
QY 100 GCGAGTCTGCCAGCTCTGTGTTCTGAGCTGTTAGACTTCTTCTTCAATTAGTGAACCT 159
Db 21 AlaGluPheCysProAlaLeuValSerGluLeuLeuAspPhePheIleSerGluPro 40
QY 160 CTGTTCAAGTTAAGTCTTCCAAATTTGATGCCCTCCGGAAGCTGTTGCAGCCAGTTA 219
Db 41 LeuPheLysLeuSerLeuAlaLysPheAspAlaProGluAlaValAlaLysLeu 60
QY 220 GGAGTGAAGAGATGACCGATCAGATGTCCTTCAGAACGAGCCTCATTCGGGAAGTC 279
Db 61 GlyValLysArgCysThrAspGlnMetSerLeuGlnLysArgSerLeuIleAlaGluVal 80
QY 280 CTGGTGAATAATATGAAGAAATGTAGTGTG 309
Db 81 LeuValLysIleLeuLysCysSerVal 90

RESULT 13
US-10-096-319-35
; Sequence 35, Application US/10096319
; Publication No. US20030170246A1
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Durham, Margarita
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Carter, Darrick
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER
; FILE REFERENCE: 210121.498C2
; CURRENT APPLICATION NUMBER: US/10/096,319
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 35
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-096-319-35
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Db 81 LeuValbysllebeulyslvsCysSerVal 90

Search completed: November 23, 2004, 11:18:50  
Job time : 92.5 secs